# Project Planning Phase
## Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

| Team ID | PNT2022TMID27679 |
|---|---|
| Project Name | Skill /Job Recommender |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | UI Design & Frontend Development | USN-1 | As a user I can expect to experience a cool user interface and smooth user experience | 8 | High | Pukkalla Sumathi, Monica R |
| Sprint-1 | Home | USN-2 | As a user, I will land on the landing page of the website | 1 | High | Pukkalla Sumathi, Monica R |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Monica R, Sai Shree GR, Oviya Shree A |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application as a Job seeker or Recruiter. | 2 | High | Padma Shree G |
| Sprint-2 | | USN-5 | As a user, I will receive verification email once I have registered for the application | 2 | Medium | Monica R, Sai Shree GR |
| Sprint-3 | | USN-6 | As a user, I can register for the application through Google Signup | 3 | Low | Monica R, Sai Shree GR |
| Sprint-3 | | USN-7 | As a user, I can register for the application through Sign in with LinkedIn | 3 | Low | Monica R, Sai Shree GR |
| Sprint-1 | Login | USN-8 | As a user, I can log into the application as Jobseeker or Recruiter by entering registered email & correct password | 2 | High | Oviya Shree A, Monica R |
| Sprint-3 | | USN-9 | As a user, I can log into the application using google sign in option | 3 | Low | Oviya Shree A, Monica R |

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| Sprint-1 | Home | USN-2 | As a user, I will land on the landing page of the website | 1 | High | Monica R, Pukkalla Sumathi |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Monica R, Sai Shree GR, Oviya Shree A |
| Sprint-3 | | USN-10 | As a user, I can log into the application using LinkedIn Login | 3 | Low | Monica R, Sai Shree GR, Oviya Shree A |
| Sprint-2 | Profile Setup | USN-11 | As a fresh user I need to setup my profile initially by filling required details which can be modified later | 3 | High | Monica R, Sai Shree GR, Pukkalla Sumathi. |
| Sprint-2 | | USN-12 | As a fresh recruiter I need to setup profile for my company by filling required details which can be modified later | 3 | High | Monica R, Sai Shree GR, Pukkalla Sumathi |
| Sprint-2 | Cloud Storage | USN-13 | As a user I can upload my Image, Resume and much more in the website | 3 | Medium | Padhma Shree, Monica R, Pukkalla Sumathi |
| Sprint-2 | Posting | USN-14 | As a Recruiter I can post various job openings | 5 | High | Sai shree GR, Padhma Shree G, Oviya ShreeA |
| Sprint-2 | Job Listing | USN-15 | As a user I can access jobs posted by recruiters and Google Job Search API | 5 | High | OviyaShree A, Padma Shree |
| Sprint-2 | Applying | USN-16 | As a Job Seeker I can view all Job openings in the home page and also, I can search for specific jobs and apply for the same | 3 | High | Pukkalla Sumathi, Padma Shree GR |
| Sprint-2 | Shortlisting | USN-17 | As a Recruiter I can view applied candidates and shortlist few among them. | 3 | High | Monica R Padma Shree |
| Sprint-3 | Chatbot | USN-18 | As a User I can access chatbot to avail any kind of guidance in the website | 5 | High | Sai shree GR, Pukkalla Sumathi |
| Sprint-3 | Notification (SendGrid) | USN-19 | As a User, I can get notification on new Job openings via email using SendGrid service | 3 | Medium | Sai shree GR, Pukkalla Sumathi |

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| Sprint-3 | Courses & Webinars | USN-20 | As an administrator I can suggest users various courses f rom famous websites like Udemy, Coursera based on their skillset to improve their skills | 3 | Low | Monica R, Padma Shree G |

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| Sprint-1 | Home | USN-2 | As a user, I will land on the landing page of the website | 1 | High | Monica R, Pukkalla Sumathi |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Sai shree GR, Monica R, Pukkalla Sumathi |
| Sprint-3 | Interviews | USN-21 | As a recruiter I can schedule face to face Interview with shortlisted candidates using WebRTC framework | 3 | Low | Padma Shree G, Oviya Shree A |
| Sprint-3 |  | USN-22 | As a shortlisted candidate I can join the scheduled interview using the meeting link | 3 | Low | Padma Shree G, Oviya Shree A |
| Sprint-4 | System testing | USN-23 | As a user I can access my website without any fault or malfunction | 5 | Medium | Monica R, Oviya Shree, Sai Shree GR |
| Sprint-4 | Docker | USN-24 | As a user I can access my containerized application in any device | 3 | High | Sai shree GR, Pukkalla Sumathi, Padma Shree G |
| Sprint-4 | Kubernetes | USN-25 | As a user I can access my containerized application in any device with greater security | 3 | High | Oviya Shree A Pukkalla Sumathi, Monica R |
| Sprint-4 | Deployment in the Cloud | USN-26 | As a user I can access the website f rom anywhere in the world | 3 | High | Sai shree GR, Padma Shree Monica R |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| Sprint-1 | 18 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 18 | 29 Oct 2022 |
| Sprint-2 | 27 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 27 | 05 Nov 2022 |
| Sprint-3 | 29 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 29 | 12 Nov 2022 |
| Sprint-4 | 14 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 14 | 19 Nov 2022 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Average Velocity for Sprint 1 => **18/6 = 3 => 3 Story points per day**

Average Velocity for Sprint 2 => **27/6 = 4.5 => 4 Story points per day**

Average Velocity for Sprint 3 => **29/6 = 4.8 => 4 Story points per day**

Average Velocity for Sprint 4 => **14/6 = 2.3=> 2 Story points per day**

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Total Story Points: 88
Project Start Date: 24th October 2022
Project End Date: 19th November 2022



Burndown Chart